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ABSTRACT OF THE DISCLOSURE

5 Systems and methods for improved electronic data storage management that allow the file system to physically adapt and optimize to a variety of add-on hardware components (such as hard disks, removable drives, CD ROM drives, etc.) while virtually maintaining a stable system configuration from an application software point of view. The Redirector presents a
10 virtual view of the file system by providing a virtual view of logical volumes. Through the use of a Redirector component, all application program file API's to the operating system are filtered; if the file, or directory is redirected, then the call is sent in a modified form to the operating system to its
15 redirected physical location. The physical movement of files is accomplished through the use of a Migrator component. The Migrator makes a copy of the file, verifies the correctness of the copy, updates the redirector table, and then removes the physical file from its original location.

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